Test Equipment Depot
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AMPROBE®

BT-AFT1 Arc Fault Bre

Users Manual

Visit us at www.TestEquipmentDepot.com

LIMITED WARRANTY

Congratulations! Your new instrument has been quality crafted according to quality standards and contains quality components and workmanship. It has been inspected for proper operation of all of its functions and tested by qualified factory technicians according to the long-established standards of our company.

Your instrument has a limited warranty against defective materials and/or workmanship for two years from the date of purchase provided that, in the opinion of the factory, the instrument has not been tampered with or taken apart.

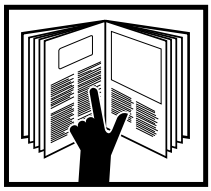
Should your instrument fail due to defective materials, and/or workmanship during this two year period, a no charge repair or replacement will be made to the original purchaser. Please have your dated bill of sale, which must identify the instrument model number and serial number and call the number listed below:

Repair Department
Phone: 954-499-5400 / 800-327-5060
Fax:954-499-5454

Please obtain an RMA number before returning product for repair.

Outside the U.S.A. the local representative will assist you. Above limited warranty covers repair and replacement of instrument only and no other obligation is stated or implied.

AFCI TESTER INSTRUCTIONS



⚠ WARNING
Read and understand this material before operating and servicing this equipment. Failure to understand how to safely operate this tool can result in accident causing serious injury or death.

⚠ WARNING
Electric shock and fire hazard: *Contact with live circuits can result in severe injury or death.*

⚠ WARNING
The Arc Fault Circuit Tester BT-AFT1 is designed for use on 120 volt wiring systems using a standard 15 or 20 amp outlet receptacle. Using this product with any other electrical system may damage the product or result in injury or death.

1. Plug the unit into an AFCI protected branch circuit outlet. The AC Voltage LED will illuminate, indicating a live circuit. The unit will then perform an internal test, which takes approximately two seconds.

2. After approximately two seconds, press and hold the Trip button. The Arc LED will flash during arc simulation, followed by the AC Voltage LED turning off once the AFCI breaker has tripped.

If the AFCI breaker does not trip, the AC Voltage LED will remain illuminated. The unit is either plugged into a non-AFCI circuit, the AFCI breaker is defective or there is an error in the wiring. The unit will not perform a subsequent test until it has been disconnected from AC voltage and then reconnected.

NOTE: The arc fault circuit breaker tester will automatically reset anytime power is disconnected and reconnected for a minimum of one-half second.
All appliances or equipment on the circuit being tested should be unplugged to help avoid erroneous test.

Not a comprehensive diagnostic instrument but a simple instrument to indicate that the receptacle is protected by an AFCI.

Refer all indicated problems to a qualified electrician.

Will not indicate quality of ground.

Will not detect two hot wires in a circuit.

Will not detect a combination of defects.

Will not detect reversal of grounded and grounding conductors.

Consult the AFCI manufacturer's installation instructions to determine that the AFCI is installed in accordance with the manufacturer's specifications.

Check for correct wiring of receptacle and all remotely connected receptacles on the branch circuit.

Operate the test button on the AFCI installed in the circuit. The AFCI must trip. If it does not - do not use the circuit - consult an electrician. If the AFCI does trip, reset the AFCI. Then, insert the AFCI tester into the receptacle to be tested.

Activate the test button on the AFCI tester for a minimum of 6 seconds when testing the AFCI condition. A visible indication on the AFCI tester must cease when tripped.

If the tester fails to trip the AFCI, it suggests a) a wiring problem with a totally operable AFCI or b) proper wiring with a faulty AFCI. Consult an electrician to check the condition of the wiring and AFCI.

Specifications

Operating Voltage:	120VAC, 60 Hz, 15/20 Amp
Test load:	Draws up to eight 120 amp pulses within a one half second period.
Operating Temperature:	0º F - 120º F
Warranty:	Two year factory repair or replacement.
Size:	4.75" x 2.75" x 1.00".

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